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(Not for submission under 37 CFR 1.99)

Application Number		10591271
Filing Date		2007-08-06
First Named Inventor	Christopher T. Harbison	
Art Unit	1645	
Examiner Name		
Attorney Docket Number	WTHD-002	

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3	BAR-JOSEPH et al., "Computational discovery of gene modules and regulatory networks", Nat. Biotechnol., 2003, 21 (11):1337-1342	<input type="checkbox"/>
4	BIGLER et al., "Isolation of a thyroid hormone-responsive gene by immunoprecipitation of thyroid hormone receptor-DNA complexes," 1994, Mol. Cell Biol., 14(11):7621-7632	<input type="checkbox"/>
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7	BOTQUIN et al., "New POU dimer configuration mediates antagonistic control of an osteopontin preimplantation enhancer by Oct-4 and Sox-2," 1998, Genes Dev., 12(13):2073-2090	<input type="checkbox"/>
8	COHEN-KAMINSKY et al., "Chromatin immunoselection defines a TAL-1 target gene," 1998, EMBO J., 17 (17):5151-5160	<input type="checkbox"/>
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10	DEVEAUX et al., "p45 NF-E2 regulates expression of thromboxane synthase in megakaryocytes," 1997, EMBO J, 16 (18):5654-5661	<input type="checkbox"/>
11	GOULD et al., "Connectin, a target of homeotic gene control in Drosophila," 1992, Development, 116(4):1163-1174	<input type="checkbox"/>
12	GOULD et al., "Targets of homeotic gene control in Drosophila," 1990, Nature, 348(6299):308-312	<input type="checkbox"/>
13	GRABA et al., "Drosophila Hox complex downstream targets and the function of homeotic genes," 1997, BioEssays, 19 (5):379-388	<input type="checkbox"/>

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14	GRABA et al., "DWnt-4, a novel Drosophila Wnt gene acts downstream of homeotic complex genes in the visceral mesoderm," 1995, Development, 121(1):209-218	<input type="checkbox"/>
15	GRABA et al., "Homeotic control in Drosophila; the scabrous gene is an in vivo target of Ultrabithorax proteins," 1992, EMBO J., 11(9):3375-3384	<input type="checkbox"/>
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17	HALLAHAN et al., "C-jun and Egr-1 participate in DNA synthesis and cell survival in response to ionizing radiation exposure," 1995, J. Biol. Chem. 270(51):30303-30309	<input type="checkbox"/>
18	HARTEMINK et al., "Combining location and expression data for principled discovery of genetic regulatory network models," 2002, Pac Symp. Biocomput., 437-449	<input type="checkbox"/>
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20	HOLSTEGE et al., "Dissecting the regulatory circuitry of a eukaryotic genome," 1998, Cell, 95(5):717-728	<input type="checkbox"/>
21	KOHWI-SHIGEMATSU et al., "Identification of base-unpairing region-binding proteins and characterization of their in vivo binding sequences," 1998, Methods Cell Biol., 53:323-354	<input type="checkbox"/>
22	KUMAR et al., "Forkhead transcription factors, Fkh1p and Fkh2p, collaborate with Mcm1p to control transcription required for M-phase," 2000, Curr. Biol. 10(15):896-906	<input type="checkbox"/>
23	LEE et al., "Transcriptional regulatory networks in Saccharomyces cerevisiae," 2002, Science, 298(5594):799-804	<input type="checkbox"/>
24	MUKHERJEE et al., "Rapid analysis of the DNA-binding specificities of transcription factors with DNA microarrays," 2004, Nat. Genet., 36(12):1331-1339	<input type="checkbox"/>

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25	NICKERSON et al., "The nuclear matrix revealed by eluting chromatin from a cross-linked nucleus," 1997, Proc. Natl. Acad. Sci. USA, 94(9):4446-4450	<input type="checkbox"/>
26	ODOM et al., "Control of pancreas and liver gene expression by HNF transcription factors," 2004, Science, 303 (5662):1378-1381	<input type="checkbox"/>
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28	ORLANDO et al., "Mapping Polycomb-repressed domains in the bithorax complex using in vivo formaldehyde cross-linked chromatin," 1993, Cell, 75(6):1187-1198	<input type="checkbox"/>
29	ORLANDO, "Mapping chromosomal proteins in vivo by formaldehyde-crosslinked-chromatin immunoprecipitation," 2000, Trends Biochem. Sci., 25(3):99-104	<input type="checkbox"/>
30	PRADEL et al., "From selectors to realizator," 1998, Int. J. Dev. Biol. 42(3):417-421	<input type="checkbox"/>
31	REID et al., "Coordinate regulation of yeast ribosomal protein genes is associated with targeted recruitment of Esa1 histone acetylase," 2000, Mol. Cell, 6(6):1297-1307	<input type="checkbox"/>
32	REN et al., "Genome-wide location and function of DNA binding proteins," 2000, Science, 290(5500):2306-2309	<input type="checkbox"/>
33	SCHENA et al., "Microarrays: biotechnology's discovery platform for functional genomics," 1998, Trends Biotechnol., 16(7):301-306	<input type="checkbox"/>
34	SCHOUTEN, "Hybridization selection of covalent nucleic acid-protein complexes. 2. Cross-linking of proteins to specific Escherichia coli mRNAs and DNA sequences by formaldehyde treatment of intact cells," 1985, J. Biol. Chem., 260(17):9929-9935	<input type="checkbox"/>
35	SOLOMON et al., "Formaldehyde-mediated DNA-protein crosslinking: a probe for in vivo chromatin structures," 1985, Proc. Natl. Acad. Sci. USA, 82(19):6470-6474	<input type="checkbox"/>

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36	SOLOMON et al., "Mapping protein-DNA interactions in vivo with formaldehyde: evidence that histone H4 is retained on a highly transcribed gene," 1988, Cell, 53(6):937-947	<input type="checkbox"/>
37	TAKAHASHI et al., "Application of the chromatin immunoprecipitation method to identify in vivo protein-DNA associations in fission yeast," 2000, Sci. STKE, 2000(56): PL1	<input type="checkbox"/>
38	TANAKA et al., "Loading of an Mcm protein onto DNA replication origins is regulated by Cdc6p and CDKs," 1997, Cell, 90(4):649-660	<input type="checkbox"/>
39	TOMOTSUNE et al., "A mouse homologue of the Drosophila tumour-suppressor gene l(2)gl controlled by Hox-C8 in vivo," 1993, Nature, 365(6441):69-72	<input type="checkbox"/>
40	WALTER et al., "Measurement of in vivo DNA binding by sequence-specific transcription factors using UV cross-linking," 1997, Methods, 11(2):215-224	<input type="checkbox"/>
41	WEINMANN et al., "Isolating human transcription factor targets by coupling chromatin immunoprecipitation and CpG island microarray analysis," 2002, Genes Dev., 16(2):235-244	<input type="checkbox"/>
42	WYRICK et al., "Deciphering gene expression regulatory networks," 2002, Curr. Opin. Genet. Dev., 12(2):130-136	<input type="checkbox"/>
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